

WHAT IS CLAIMED IS:

1. An image forming system, comprising:

an image forming apparatus with a plurality of modes concerning power consumption, said image forming apparatus being capable of wirelessly transmitting information that there is a waiting job;

a portable terminal which is capable of receiving said information transmitted wirelessly from said image forming apparatus;

a position detector which detects a position of said portable terminal; and

a mode switcher which switches from one mode concerning power consumption of said image forming apparatus to another in accordance with said position of said portable terminal which received said information.

2. An image forming apparatus, comprising:

a transmitter which is capable of wirelessly transmitting job-existence-information that there is an output-waiting-job to a portable terminal;

a receiver which receives reply-information replying to said job-existence-information transmitted wirelessly from said portable terminal;

a position detector which detects a position of said portable

terminal whose reply-information is received by said receiver; and

a mode switcher which switches from one mode concerning power consumption to another based on said position of said portable terminal detected by said position detector.

3. The image forming apparatus as recited in claim 2, further comprising a discriminator which discriminates whether or not said portable terminal is approaching said image forming apparatus based on a detection result by said position detector,

wherein said mode switcher switches from one mode concerning power consumption to another when said discriminator discriminated that said portable terminal is approaching said image forming apparatus.

4. The Image forming apparatus as recited in claim 2, wherein said mode switcher forbids a pre-rotation of a fixing device when said mode is being switched.

5. The Image forming apparatus as recited in claim 2, wherein said mode switcher switches from one mode concerning power consumption from another only when it has been continuously discriminated for a predetermined time that said portable terminal is approaching said image forming apparatus.

6. The Image forming apparatus as recited in claim 2, further



wherein said mode selector selects a corresponding mode when said discriminator discriminates that said portable terminal is approaching said image forming apparatus.

9. The image forming apparatus as recited in claim 7, further comprising a discriminator which discriminates whether or not said portable terminal is going away from said image forming apparatus based on a detection result by said position detector,

wherein said mode selector selects a corresponding mode when said discriminator discriminates that said portable terminal is going away from said image forming apparatus after a completion of printing by said printer.

10. The image forming apparatus as recited in claim 7, wherein said plurality of modes include a normal mode in which said printer executes a print job and a power-saving mode in which said printer does not executes a printing job.

11. The image forming apparatus as recited in claim 7, wherein said printer includes a fixing device for fixing an image on a paper with heat, and wherein said plurality of modes differ in control temperature of said fixing device each other.

12. The image forming apparatus as recited in claim 11, wherein said fixing device includes a fixing member

containing a heating source, a pressure member with no heating source which pinches a fixing paper in cooperation with a fixing member, a driving source which drives to rotate said fixing member and said pressure member and a driving controller which starts to operate said driving source when said mode is switched, and

wherein an operation of said driving controller is forbidden when said discriminator discriminates that said portable terminal is approaching said image forming apparatus.

13. The image forming apparatus as recited in claim 8, wherein said mode selector selects a corresponding mode only when it has been continuously discriminated for a predetermined time that said portable terminal is approaching said image forming apparatus.

14. The image forming apparatus as recited in claim 7, wherein said printer executes a print job received from an external device.

15. The image forming apparatus as recited in claim 7, further comprising a terminal selector which selects a portable terminal according to said external device,

wherein said communication device communicates with said portable terminal selected by said terminal selector.

16. The image forming apparatus as recited in claim 7, wherein said printer executes a print job received from said portable terminal.

17. An image forming apparatus, comprising:  
a job-output device which outputs a job;  
a communication device which communicates wirelessly with a prescribed portable terminal when there is an output-waiting-job waiting to be outputted from said job-output device;  
a position detector which detects a position of said portable terminal based on a communication result of said communication device; and  
a controller which controls said image forming apparatus based on said position of said portable terminal detected by said position detector.

18. The image forming apparatus as recited in claim 17, wherein said controller controls a start of an output by said job-output device.

19. The image forming apparatus as recited in claim 17, wherein said controller controls said start of an output by said job-output device when a distance from said image forming apparatus to said portable terminal is within a predetermined distance.

20. The image forming apparatus as recited in claim 17, wherein said controller switches from one mode concerning power consumption of said image forming apparatus to another.

21. The image forming apparatus as recited in claim 17, wherein said controller switches between a normal mode in which said job-output device is capable of executing output processing and a power-saving mode in which said job-output device do not execute said output processing.

22. The image forming apparatus as recited in claim 17, wherein said job-output device outputs a job received from an external device.

23. The image forming apparatus as recited in claim 22, further comprising a terminal selector which selects a portable terminal according to said external device,

wherein said communication device communicates with said portable terminal selected by said terminal selector.

24. The image forming apparatus as recited in claim 17, wherein said job-output device outputs a job received from said portable terminal.

25. An image forming apparatus, comprising:

